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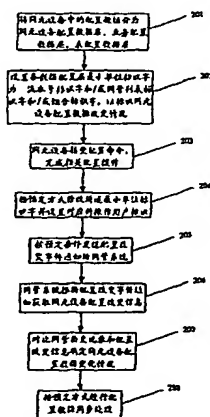
本国际公布:

— 包括国际检索报告。

所引用双字母代码和其它缩写符号, 请参考刊登在每期 PCT公报期刊起始的“代码及缩写符号简要说明”。

(54) Title: A METHOD FOR IMPLEMENTING THE REAL-TIME SYNCHRONIZATION BETWEEN THE NETWORK MANAGEMENT SYSTEM AND THE NETWORK ELEMENT DEVICE CONFIGURATION DATA

(54) 发明名称: 实现网管系统和网元设备配置数据实时同步的方法



201 HIERARCHIZE THE CONFIGURATION DATA IN THE NETWORK ELEMENT DEVICE INTO THE NETWORK ELEMENT DEVICE CONFIGURATION DATA LAYER, THE SERVICE CONFIGURATION DATA LAYER, THE TABLE CONFIGURATION DATA LAYER
202 SET THE MINIMUM UNIT ID OF ALL THE DATA CONFIGURATION LAYER AS THE JOURNAL NUMBER ID AND FOR THE NETWORK MANAGEMENT TABLE ID AND FOR THE COMBINED ID TO IDENTIFY THE CHANGE CASE
203 OF THE NETWORK DEVICES CONFIGURATION DATA
204 THE NETWORK ELEMENT RECEIVES THE CONFIGURATION COMMAND AND COMPLETES THE CORRESPONDING OPERATION
205 MODIFY THE MINIMUM UNIT ID BASED ON THE PREDETERMINED MODE AND SET THE CORRESPONDING OPERATE USER ID
206 SEND THE INFORM OF THE CONFIGURATION CHANGE EVENT TO THE NETWORK MANAGEMENT SYSTEM
207 THE NETWORK MANAGEMENT SYSTEM OBTAINS THE CONFIGURATION CHANGE INFORMATION OF THE NETWORK ELEMENT DEVICE
208 ACCORDING TO THE CONFIGURATION CHANGE INFORM
209 DETERMINE THE CHANGE EVENT OF THE NETWORK ELEMENT CONFIGURATION DATA BY COMPARING THE HISTORY RECORD OF THE NETWORK MANAGEMENT AND THE CHANGE EVENT INFORM
210 PROCESS THE SYNCHRONIZATION OF THE CONFIGURATION DATA ACCORDING TO THE PREDETERMINED MODE

(57) Abstract: A method for implementing the real-time synchronization between the network management system and the network element device configuration data, this method includes: hierarchizing the configuration data in the network element device so that the different configuration data layers containing the different sets of the minimum unit configuration data; setting the minimum unit ID of the configuration data layer to identifying the change cast of the configuration data of this layer; changing the corresponding ID and sending the configuration change event to the network management system when the network element configuration data being changed; the network system processing the synchronization of the configuration data based on the event inform after it having received the inform of the configuration change even . The usage of this invention enables the network management to process the real-time monitor and synchronization for the configuration data of network element device efficiently, and improve the efficiency of the network management.

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(57) 摘要

本发明公开了一种实现网管系统和网元设备配置数据实时同步的方法，该方法包括：将网元设备中的配置数据分层，使不同的配置数据层包含不同的最小单位配置数据集合；设置配置数据层的最小单位标识字，以标识该层配置数据的变化情况；当网元设备配置数据变更时，改变对应的标识字，同时发送配置改变事件通知给网管系统；网管系统接受配置改变事件通知后，根据事件通知进行配置数据同步处理。利用本发明，可以使网管有效地对网元设备配置数据进行实时监控和同步，提高网络管理效率。